WO 2004/108066 PCT/IL2004/000492

```
1
                               SEQUENCE LISTING
 <110> Fainzilber, Michael
  Hanz, Shlomit
      Perlson, Eran
       METHODS OF REGULATING NEURONAL REGENERATION AND ADMINISTERING COMPOUNDS TO
 <120>
NEURONS
 <130> 27804
 <160> 6
<170> PatentIn version 3.2
<210> 1
<211> 10
 <212> PRT
 <213> Artificial sequence
<220>
<223> Nuclear localization signal-containing peptide
<400> 1
Cys Thr Pro Pro Lys Lys Lys Arg Lys Val
<210> 2
<211>
<212> PRT
<213> Artificial sequence
<220>
<223> Nuclear localization signal peptide
<400> 2
Pro Lys Lys Lys Arg Lys Val
              5
<210> 3
<211> 10
<212> PRT
<213> Artificial sequence
<223> Reverse-nuclear localization signal-containing peptide
<400> 3
Cys Thr Pro Val Lys Arg Lys Lys Pro
<210> 4
<211> 7
<212> PRT
<213> Artificial sequence
<220>
<223> Reverse-nuclear localization signal peptide
<400> 4
Val Lys Arg Lys Lys Pro
<210> 5
<211> 12
```

<212> PRT

2

```
<213> Artificial sequence
<223> M9 motif consensus sequence
<220>
<221> misc_feature
<222> (1)..(1)
<223> Tyr, Phe or Trp
<220>
<221> misc_feature
<222> (2)..(3)
<223> Xaa can be any naturally occurring amino acid
<220>
<221> misc_feature
<222> (4)..(4)
<223> Any hydrophilic residue
<220>
<221> misc_feature
<222> (5)..(5)
<223> Xaa can be any naturally occurring amino acid
<220>
<221> misc_feature
<222> (7)..(7)
<223> Xaa can be any naturally occurring amino acid
<220>
<221> misc_feature
<222> (8)..(8)
<223> Any hydrophobic residue
<220>
<221> misc_feature
<222> (10)..(10)
<223> Pro or Lys
<220>
<221> misc_feature <222> (11)..(11)
<223> Met, Leu or Val
<220>
<221> misc_feature
<222> (12)..(12)
<223> Lys or Arg
Xaa Xaa Xaa Xaa Ser Xaa Xaa Gly Xaa Xaa Xaa
                                     10
<210> 6
<211> 12
<212> PRT
<213> Artificial sequence
<220>
<223> M9 nuclear localization signal (NLS) sequence derived from hnRNP
      A1
<400> 6
Tyr Asn Asn Gln Ser Ser Asn Phe Gly Pro Met Lys
                5
```